

REMARKS

Applicants appreciate the Examiner's thorough consideration provided the present application. Claim 1 is now present in the application. Claim 1 has been amended. Claim 2 has been cancelled. Claim 1 is independent. Reconsideration of this application, as amended, is respectfully requested.

Claim Rejections Under 35 U.S.C. § 102

Claims 1 and 2 stand rejected under 35 U.S.C. § 102(b) as being anticipated by Walsh et al., *"Hybrid Networks – A Step Beyond 3G"*. This rejection is respectfully traversed.

In light of the foregoing amendments to the claims, Applicants respectfully submit that this rejection has been obviated and/or rendered moot. As the Examiner will note, independent claim 1 has been amended to recite a combination of elements including "the common core network including a basic access network, the basic access network comprising a network interface of base stations or access points, base stations or access points, and a basic access component" and "the mobile host comprising...a basic access component,... the basic access component of the basic access network and the basic access component of the mobile host communicating with each other". Applicants respectfully submit that the above combination of elements as set forth

in amended independent claim 1 is not disclosed nor suggested by the reference relied on by the Examiner.

Walsh discloses a DRiVE system architecture including an external network (with Corresponding node (CN)), a DRiVE core network (with Subscriber Authentication (SA), Traffic Control (TC), and Mobility Management (MM)), a plurality of access systems (with Dynamic Spectrum Allocation /Traffic Control (DSA/TC)), and end systems (with Mobile Node (MN)) (see FIG. 6). However, Walsh fails to teach that the DRiVE core network includes “the common core network including a basic access network, the basic access network comprising a network interface of base stations or access points, base stations or access points, and a basic access component”.

The Examiner referred to the access system as the basic access network as recited in claim 1. Applicants respectfully disagree. As shown in FIG. 6 of Walsh, the access system communicates with the DRiVE core network via the interface unit (IU), and therefore is not part of the DRiVE core network. Further, the Examiner referred to the access system as the wireless access network as recited in claim 1. If the Examiner’s construction regarding the access system as the wireless access network is correct, the access system cannot be constructed as the basic access network of the common core network. In particular, the common core network and the wireless network are two distinct building blocks of the network system as recited in claim 1. Therefore, if the

Examiner wants to construe certain elements of Walsh's device to correspond to certain elements in the present invention, it would be improper for the same element (the access system) of Walsh to correspond to plural elements (the wireless access network and the basic access network of the common core network) of the present invention.

In addition, Walsh also discloses a Traffic Control architecture in DRiVE system (see FIG. 7), in which each mobile node has a RAN selection (RS) to determine which radio access network (RAN) should be used to route the user traffic (see III.2.1, 8th paragraph). In other words, the mobile node would use the selected access system (i.e., the selected radio access network) to transmit data. Therefore, Walsh only teaches that the mobile node would communicate with the selected radio access network, and fails to teach "the basic access component of the basic access network [of the common core network] and the basic access component of the mobile host communicating with each other". Although the Examiner referred to the "selected access system" of Walsh (III.2.1, 10th paragraph) as the basic access network as recited in claim 1, it is respectfully submitted that the "selected access system" of Walsh is the radio access network (similar to the wireless access network as recited in claim 1), not the basic access network of the common core network as recited in claim 1.

To further clarify the present invention, Applicants respectfully submit that the basic access network is different from the wireless access

network. The mobile host uses its own basic access component to communicate with the basic access component of the basic access network for signaling related traffic. The mobile host uses the network interface to communicate with the wireless access network for data traffic. However, the wireless access network is optimized for data traffic but not optimized for signaling related traffic. By separating the signaling traffic network and the data traffic network, both networks can be dedicated to specialized traffic respectively, thereby enhancing the efficiency of the system. Since Walsh only teaches a plurality of radio access networks and fails to teach a basic access network dedicated to signaling related traffic, those radio access networks have to handle both signaling related traffic and data traffic, which is one of the major drawbacks the present application has overcome.

Since Walsh fails to teach each and every limitation of amended independent claim 1, Applicants respectfully submit that claim 1 clearly defines over the teachings of Walsh. Accordingly, reconsideration and withdrawal of the rejection under 35 U.S.C. § 102 are respectfully requested.

CONCLUSION

Since the remaining patents cited by the Examiner have not been utilized to reject the claims, but merely to show the state of the prior art, no further comments are necessary with respect thereto.

It is believed that a full and complete response has been made to the Office Action, and that as such, the Examiner is respectfully requested to send the application to Issue.

In the event there are any matters remaining in this application, the Examiner is invited to contact Joe McKinney Muncy, Registration No. 32,334 at (703) 205-8000 in the Washington, D.C. area.

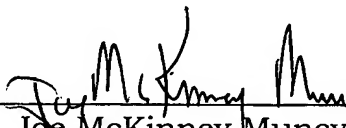
Pursuant to 37 C.F.R. §§ 1.17 and 1.136(a), Applicants respectfully petition for a two (2) month extension of time for filing a response in connection with the present application and the required fee of \$450.00 is attached herewith.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

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